REC 16-581

NH Public Utilities Commission

REC Aggregator Portal

New Users CLICK HERE to setup your account for this form. Creating an account enables you to partially complete the form and return later to finish it or to make changes after the form is submitted. Be sure to create your account BEFORE entering information into the form, or the information will be lost.

Existing Users CLICK HERE

Basic Information

Who is submitting this request?

Aggregator

Aggregator Batch Number

KE051617

Are you registered in NH

- (•) Yes
- ( ) No

Aggregator name

Knollwood Energy

NH Reg #

Aggregator Email

karenton@knollwoodenergy.com

Other Aggregator name

Other aggregator email address

Facility Name

Facility Owner Name

Marianne Jackson

Facility Owner email

mjaxnmd@gmail.com

Owner Phone

603-340-3564

Facility Address

27 Diesbach Drive

Facility Town/City

Madison

Facility State

NH

Facility Zip

03849

Is the facility address the same as the owner's mailing address

- ○ Yes
- ◉ No

Mailing Address

PO Box 1060

Mailing Town/City

Madison

Mailing State

NH

Mailing Zip

03849

Primary Contact

Karen Tenneson

Primary Contact

Facility Primary Contact

karenton@knollwoodenergy.com

Other Email Address

Facility Information

Class

II

Utility

Eversource

Other Utility Name

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

NON77545

Date of Initial Operation

10/08/2015

Facility Operator Name, if applicable

Panel Make #1

Solarworld

Panel Model

Other

Panel Quantity

18

Panel Rated Output

280

More Panel types?

- (•) No
- ( ) Yes

Panel Make #2

Panel Model

Panel Quantity

Panel Rated Output

More Panel types?

- (•) No
- ( ) Yes

Panel Make #3

Panel Model

Panel Quantity

Panel Rated Output

System capacity based on panels

5040

Inverter Quantity

1

Inverter Make

Solar Edge

Add'l Inverter Quantity

NA

Additional Inverter Make

None

Rated Output - Primary Inverter

5000

Rated Output - Additional Inverter

System capacity based on single inverter make

5000

System capacity based on two inverter types

System capacity in kW as stated on the interconnection agreement

5.45

Revenue Grade Meter Make

Irton Centron

Was this facility installed directly by the customer (no electrician involved)?

- ○ Yes
- ◉ No

Electrician Name & Number

Kim Frase4146M

Other Electrician Name & Number

Installation Company

Frase Electric, LLC

Other Installation Company Name

Other Inst. Company Address

Other Inst. Company City

Other Inst. Company State

Other Inst. Company Zip

Independent Monitor Name & Company

Paul Button - Energy Audits Unlimited

Other Monitor Name and Company

Is the installer also the equipment supplier?

- (●) Yes
- ( ) No

Equipment Vendor

Please attach your completed interconnection agreement including Exhibit B.

https://fs30.formsite.com/jan1947/files/f-5-99-6795418_4SuHZsai_Jackson_COC.pdf

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Please attach additional document here

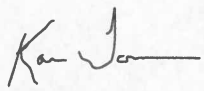
https://fs30.formsite.com/jan1947/files/f-5-168-6795418_wnc2RuA9_Jackson_NHOS.pdf

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-173-6795418_cOKcpVPr_Jackson_SPIA.pdf

Aggregator statement of accuracy

Sign your name using a mouse or, if you are using a touch-screen device, a stylus or other pointer.



Print Name

Karen Tonnesen

Date Signed

05/16/2016

RECEIVED
OCT 13 2015

Eversource

Interconnection Standards For Inverters Sized Up To 100 kVA

Exhibit B – Certificate of Completion for Simplified Process Interconnections

Installation Information: ☐ Check if owner-installed

Customer or Company Name (print): Marianne Jackson

Contact Person, if Company: _____

Mailing Address: 27 Diessbach Dr. Po Box 1060

City: Madison State: NH Zip Code: 03849

Telephone (Daytime): 603 340-3564 (Evening): _____

Facsimile Number: _____ E-Mail Address: MJAXNHD@gmail.com

Eversource Meter # 567738496

Facility Information:

Address of Facility (if different from above): 27 Diessbach Dr.

City: Madison State: NH Zip Code: 03849

Electrical Contractor Contact Information:

Electrical Contractor's Name (if appropriate): Frase Electric LLC

Mailing Address: 789 Whittier Hwy

City: So. Tamworth State: NH Zip Code: 03883

Telephone (Daytime): 603 284-6618 (Evening): 284-6618

Facsimile Number: 284-6343 E-Mail Address: Kim@fraseelectric.com

License number: 4446M

Date of approval to install Facility granted by the Company: _____

Eversource Application ID number: #N 3631

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of:

City: Madison County: Carroll

Signed (Local Electrical Wiring Inspector or attach signed electrical inspection):

Signature: Robert E Boyd

Name (printed): Robert E Boyd Date: 10/8/15

Customer Certification:

I hereby certify that, to the best of my knowledge, all information contained in this Exhibit B – Certification of Completion is true and correct. This system has been installed and shall be operated in compliance with applicable standards. Also, the initial start-up test required by Puc. 905.04 has been successfully completed.

Customer Signature: Marianne Jackson

As a condition of interconnection you are required to send/fax a copy of this form to:

Eversource
Distributed Generation
780 North Commercial Street
P. O. Box 330, Manchester, NH 03105-0330
Fax No.: (603) 634-2924

RECEIVED
JUN 29 2015
By

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS SIZED UP TO 100 KVA
Simplified Process Interconnection Application and Service Agreement

Eversource Application Project ID#: N3631

Contact Information:

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)

Customer or Company Name (print): MARIANNE JACKSON

Contact Person, if Company: "

Mailing Address: 27 DIESSBACH DR PO BOX 1060

City: MADISON State: NH Zip Code: 03849

Telephone (Daytime): 603 340 3564 (Evening):

Facsimile Number: E-Mail Address: MJAXNMD@GMAIL.COM

Alternative Contact Information (e.g., System installation contractor or coordinating company, if appropriate):

Name: Frase Electric LLC

Mailing Address: 789 Whittier Hwy

City: So. Tamworth State: NH Zip Code: 03883

Telephone (Daytime): 603-284-6618 (Evening): 284-6618

Facsimile Number: 284-6343 E-Mail Address: Kim@fraseelectric.com

Electrical Contractor Contact Information (if appropriate):

Name: Same as above

Mailing Address:

City: State: Zip Code:

Telephone (Daytime): (Evening):

Facsimile Number: E-Mail Address:

Facility Site Information:

Facility (Site) Address: 27 DIESSBACH DR

City: MADISON State: NH Zip Code: 03849

Electric Service Company: Eversource Account Number: 56888490034 Meter Number: 56773049G

Account and Meter Number: Please consult an actual Eversource electric bill and enter the correct Account Number and Meter Number on this application. If the facility is to be installed in a new location, please provide the Eversource Work Request number.

Eversource Work Request #

Non-Default' Service Customers Only:

Competitive Electric Energy Supply Company: Account Number:

(Customer's with a Competitive Energy Supply Company should verify the Terms & Conditions of their contract with their Energy Supply Company.)

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA

Simplified Process Interconnection Application and Service Agreement

Facility Machine Information: Sunmodule 280 BLK 18

Generator/ Inverter Manufacturer: SolarWorld / SolarEdge Model Name & Number: SE5000A-US Quantity: 1

Nameplate Rating: 5 (kW) 5 (kVA) 240 (AC Volts) Phase: Single ☑ Three ☐

Nameplate Rating: The AC Nameplate rating of the individual inverter.

System Design Capacity: 5.45 (kW) 5.42 (kVA) Battery Backup: Yes ☐ No ☑

System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the sum of the AC nameplate ratings of all inverters.

Net Metering: If Renewably Fueled, will the account be Net Metered? Yes ☑ No ☐

Prime Mover: Photovoltaic ☑ Reciprocating Engine ☐ Fuel Cell ☐ Turbine ☐ Other _____

Energy Source: Solar ☑ Wind ☐ Hydro ☐ Diesel ☐ Natural Gas ☐ Fuel Oil ☐ Other _____

Inverter-based Generating Facilities:

UL 1741/IEEE 1547.1 Compliant **(Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)**
Yes ☑ No ☐

The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use With Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. ***Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.***

External Manual Disconnect Switch:

An External Manual Disconnect Switch shall be **installed in accordance with 'Part Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'**
Yes ☑ No ☐

Location of External Manual Disconnect Switch: By Net meter

Project Estimated Install Date: 9/1/15 Project Estimated In-Service Date: 9/15/15

Interconnecting Customer Signature:

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the **Terms and Conditions for Simplified Process Interconnections** attached hereto:

Customer Signature: Marianne Jochard MD Title: _____ Date: 6/11/15

Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection point in relation to the customer service panel and the Eversource meter socket. Applications without such a diagram may be returned.

For Eversource Use Only

Approval to Install Facility:

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Yes ☐ No ☑ To be Determined ☐

Company Signature: _____ Title: Associate Engineer Date: 6/29/15

New Hampshire PUC REC Certification Application Owner Statements

The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate to the best of my knowledge and I authorize Knollwood Energy to act on my behalf in filing said application.

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor, or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Marianne Jackson, MD

Printed Name of signature owner

Marianne Jackson, MD

Marianne Jackson, MD (Dec 7, 2015)

Signature of system owner